

DATA ARCHITECTURE

Illinois Behavioral Health Integration Project (BHIP)

Second Statewide Meeting

Thursday, November 1, 2012

Presented by Illinois Office of Health Information Technology
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Office of the Governor

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Today's Challenge: Data Exchange for Behavioral Health in Illinois



1. How can we support the exchange of behavioral health data?
2. How do the consent laws work in relation to query based services planned for in the robust HIE?
3. What capacity exists in the behavioral healthcare arena to engage in HIE?



Today's Challenge: Data Exchange for Behavioral Health in Illinois



State Mental Health Confidentiality Act

- Consent duration
- Specifies recipients
- Requires a witness
- Prohibits:
 - A record locator service
 - Advance and blanket consent
 - Disclosure to a third party

42 CFR Part 2

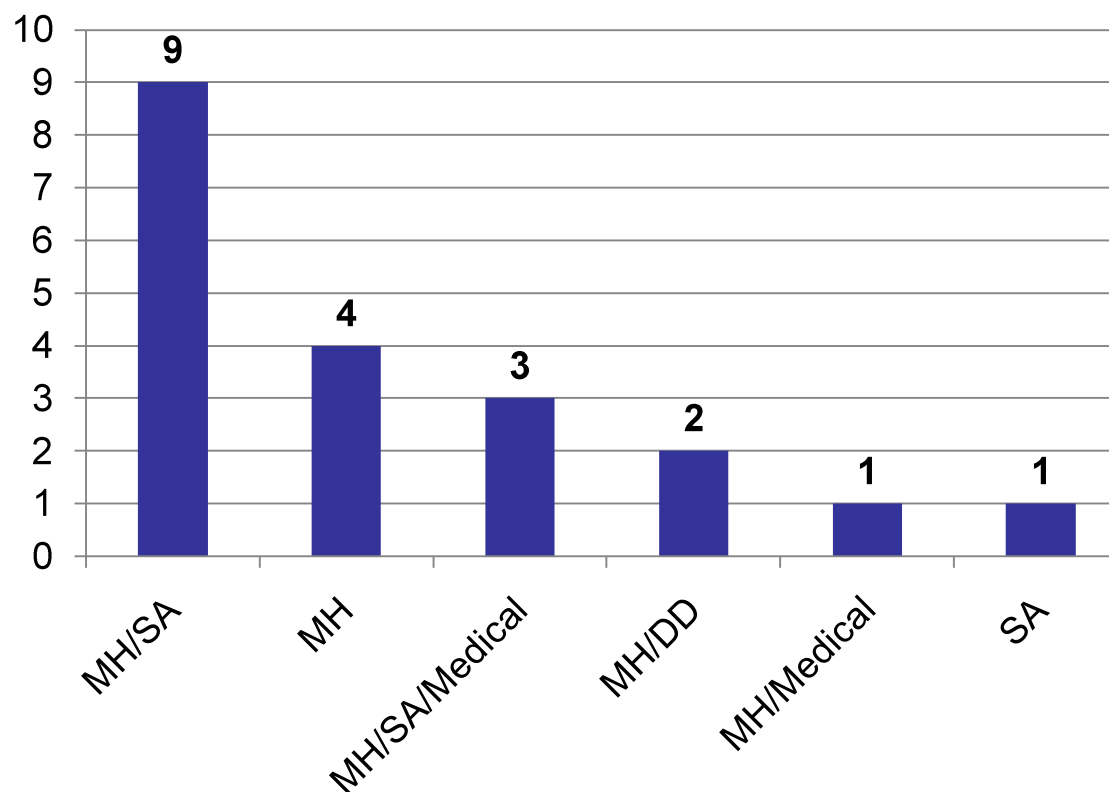
- Consent duration
- Specifies recipients
- Prohibits disclosure to a third party



How are behavioral health providers transitioning care?



LOI Survey Respondents – Organization Type

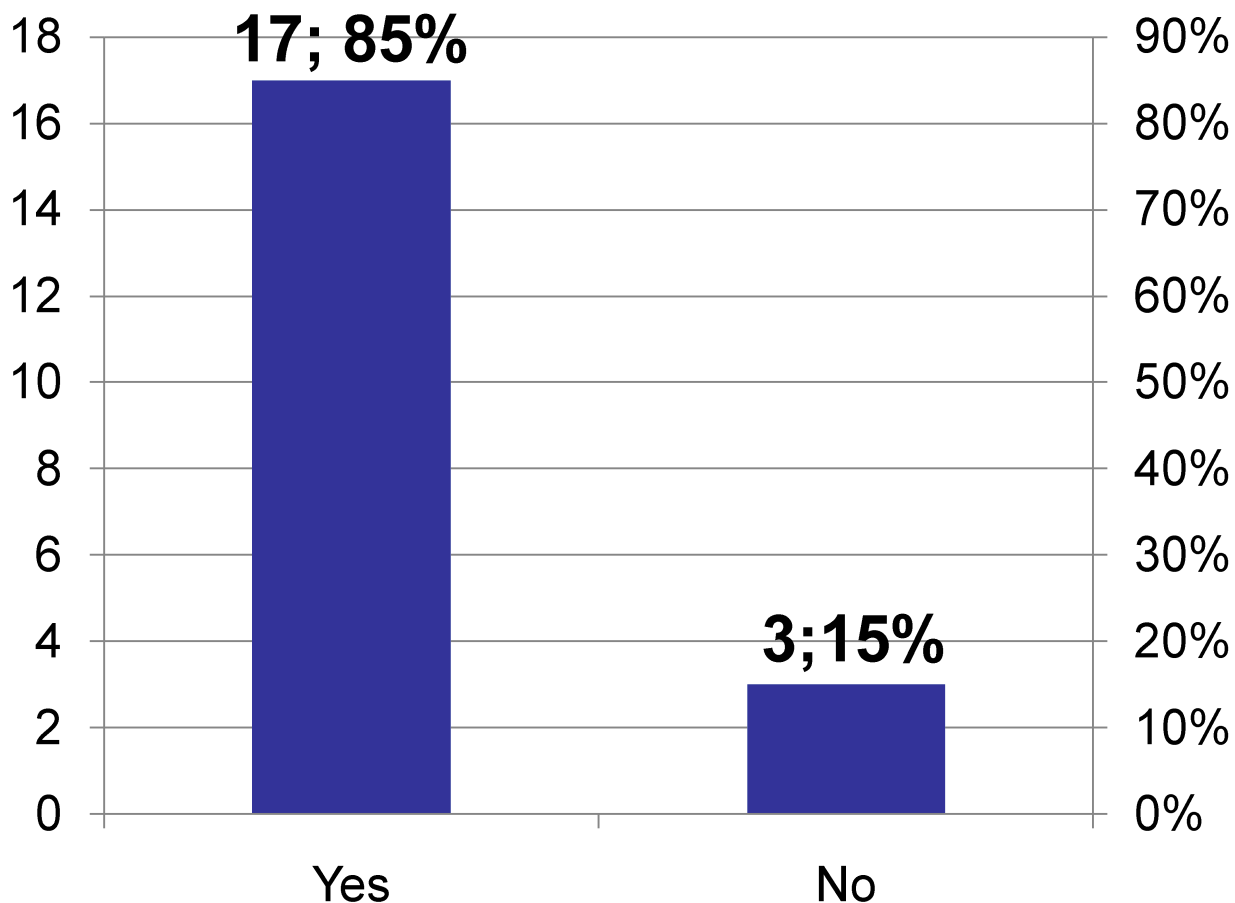


n=20



Sample Pool: EHR Adoption

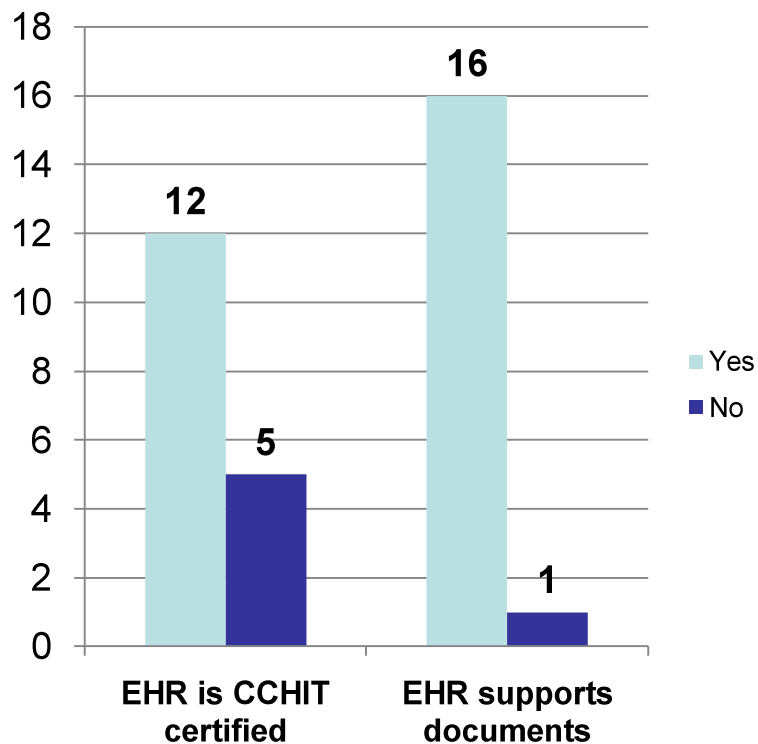
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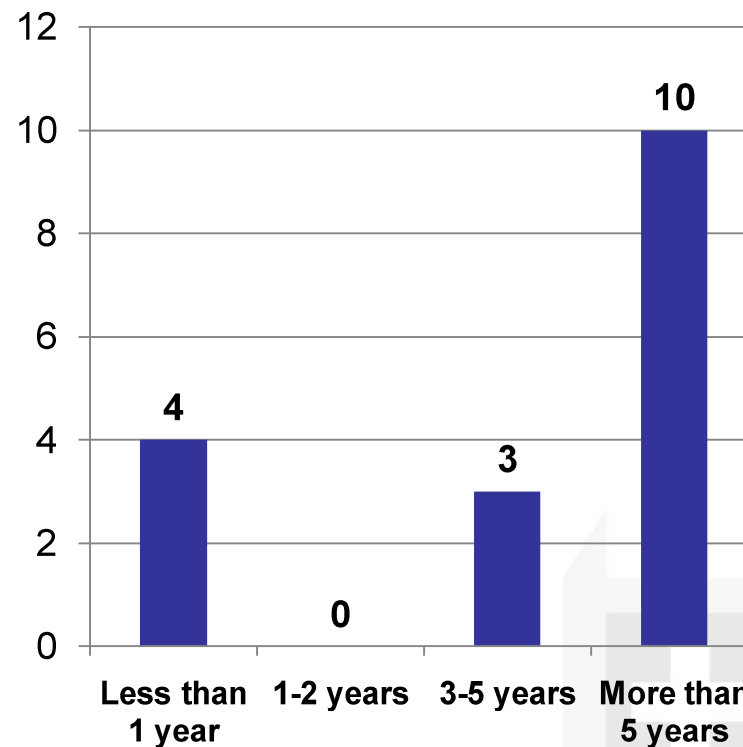
Sample Pool: EHR Familiarity

n=17

EHR Characteristics

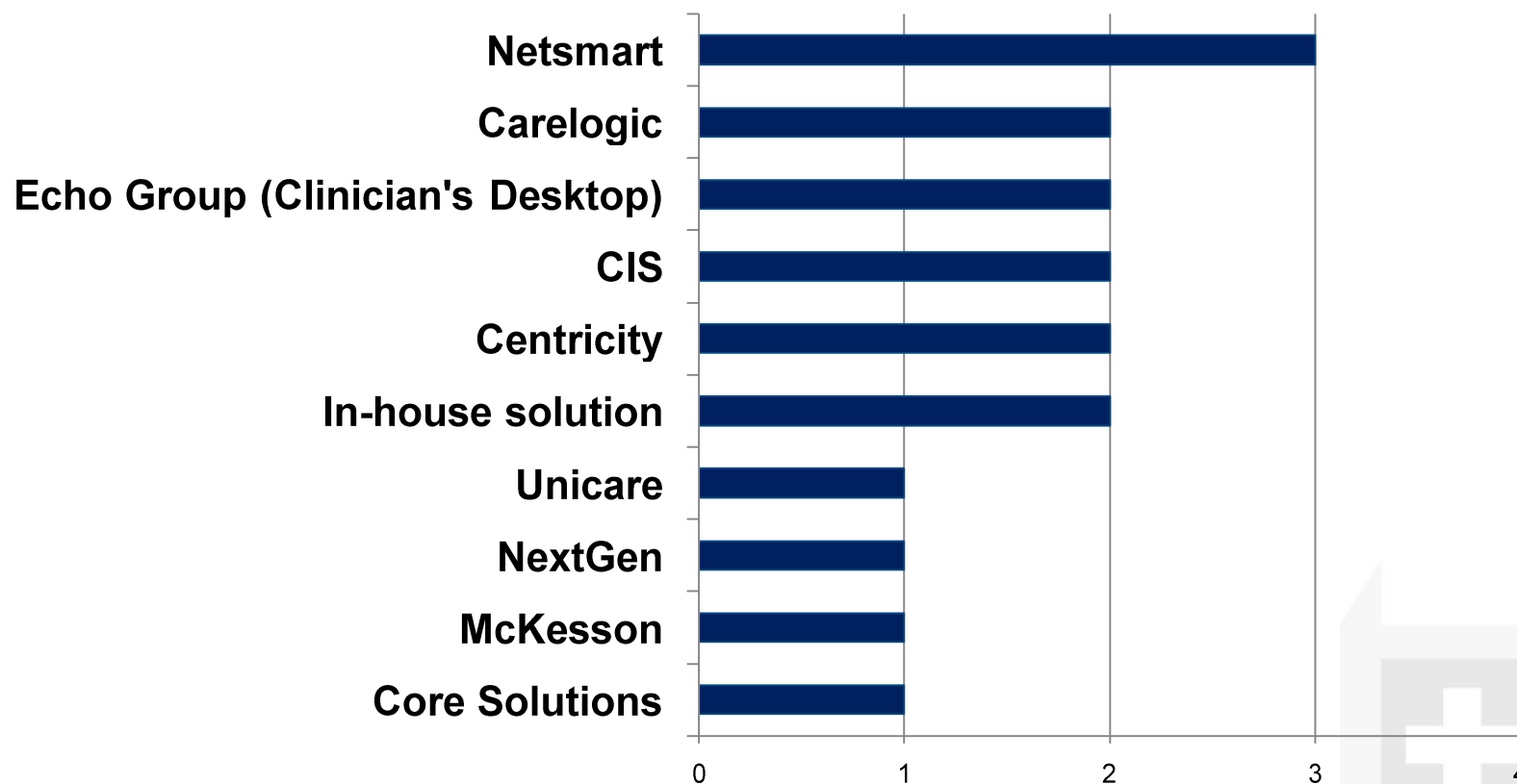


Years on EHR



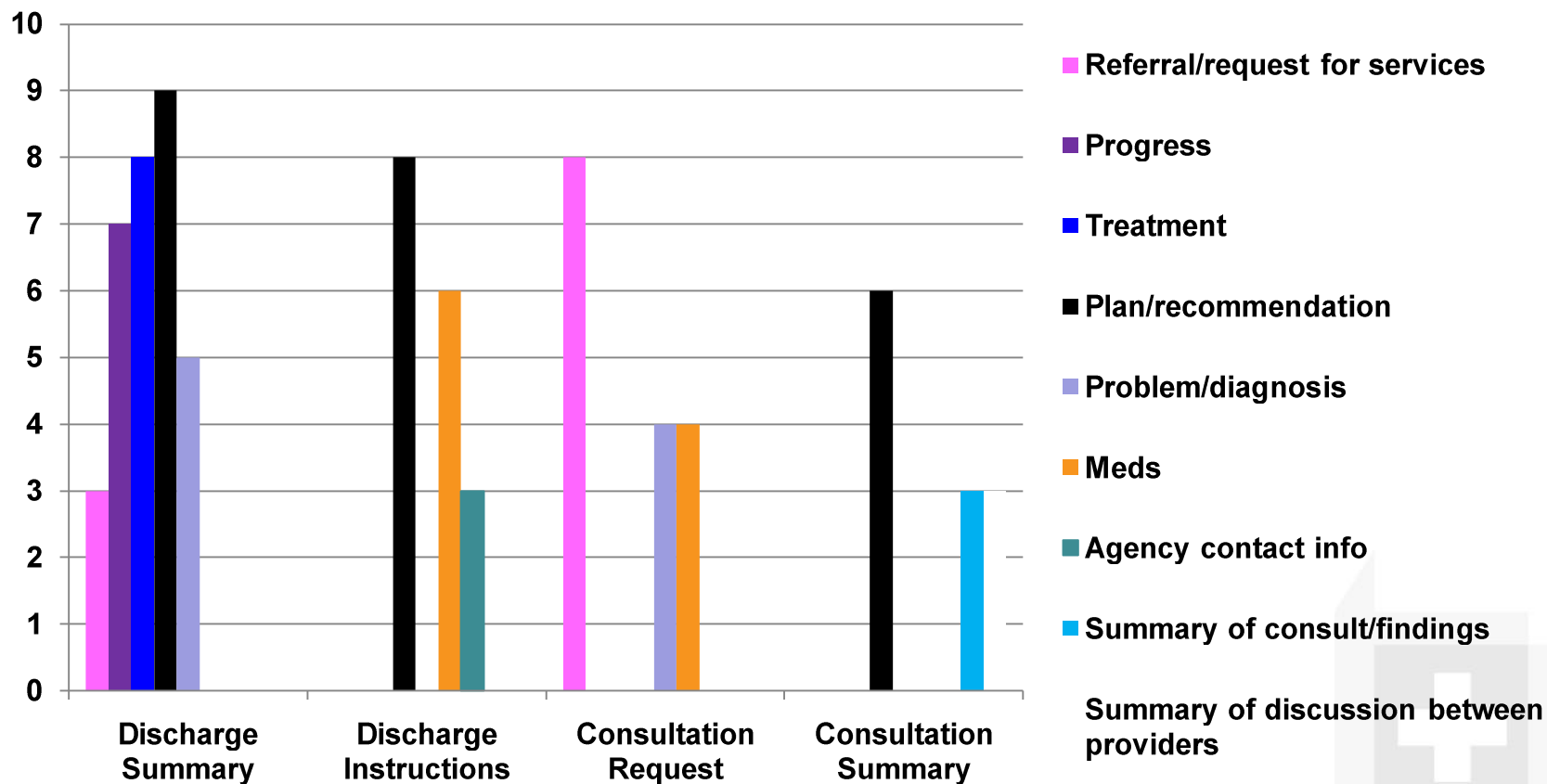
Sample Pool: EHR Vendors

n=17



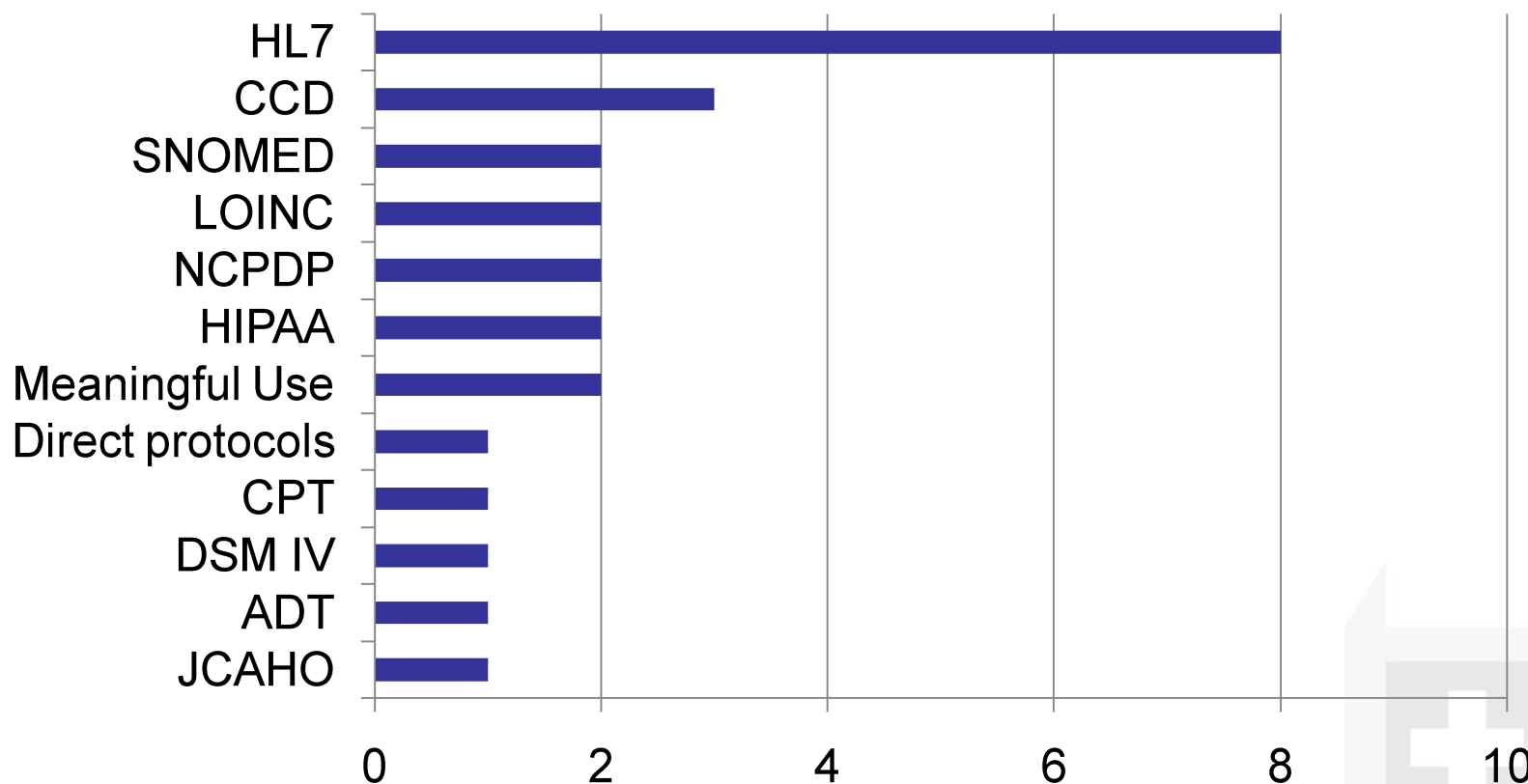
Sample Pool: Transition of Care

Elements most often mentioned in definitions



Sample Pool: Standards

What national data standards need to be adhered to for your project?



Today's Tools



- ILHIE Direct
- BHIP Prototype



- Description
- Consumer Consent
- Web Portal Functionality
- Recommended Web Browsers
- Appendix A
- Appendix B
- Appendix C



BHIP Prototype for Demonstration Projects

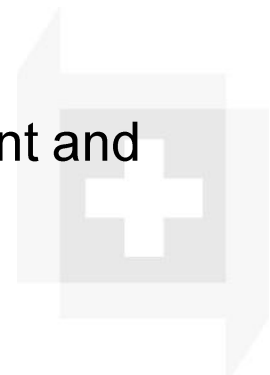


OHIT has developed a Web Form that allows BHIP grantees to

- capture Transition of Care data and produce an OHIT designed document,
- in Portable Document Format (PDF),
- as a file residing in the OS file system.

This PDF file would then be attached to an ILHIE Direct secure email.

This Web Form is required to support the OHIT BHIP grant and will only be available during the grant period.



Consumer Consent



- Responsibility to secure consumer authorization/consent lies with grantees and partner organizations
- All providers that originate clinical mental health or substance use data to send to a receiving provider must obtain a patient release or consent
- Provider must request specific consent for re-disclosure of mental health data; no re-disclosure of substance use data
- Both the BHIP Web Form and the PDF carry a legal disclaimer regarding confidentiality



Web Portal Functionality



1. Enter Transition of Care data in the web form (pls. refer to Appendix A for screenshot)
2. Use “Create PDF” button in web form to produce and view the OHIT designed document (pls. refer to Appendix B for screenshot)
3. Review PDF and save file (pls. refer to Appendix C for screenshot)
4. In web browser, open ILHIE Direct Mail.
5. Login to ILHIE Direct Mail and compose a new secure email to selected recipient(s)
6. Attach PDF file saved to the new secure email and send email
7. Remove saved copy of PDF on user’s machine



Recommended Web Browsers

- Firefox 15.0.1
- Internet Explorer 9
- Google Chrome 21.0.1180.89



Appendix A – BHIP Web Form

Firefox | hie.illinois.gov : Behavioral Health Int... | Behavioral Health Quick Forms

localhost:57775/csp/healthshare/hsaccess/Custom.ILHIE.BHIP.UJ.BHQuickForm.cls#

WRC TRC Prolog devlog 3 adhoc SecureLink Zen CCR HS TWiki ILHIE Red Hat Enterprise Lin... Most Visited Getting Started FTP Upload Form NYeC TRC

Illinois Health Information Exchange
Behavioral Health Quick Forms

Patient Name: John Smith
Document Type: Discharge Summary

1) enter patient full name

2) select transition of care document type

Name of Discharging Facility
Address of Discharging Facility
Medical Record Number (at Discharging Facility)
Primary Care Physician
Attending Physician
Date of Admission
Reason for Transfer or Discharge
Date of Discharge
Name of Accepting Entity
Identifying Information
Level of Education
Employment Status
Reason why Patient was Admitted
Living Situation Prior to Admission
History of Hospitalizations
Total Number of Sessions
Services Received to Date
History of Present Illness
Past Psychiatric History
Substance use disorder diagnosis and history

3) enter transition of care data

Appendix B – Create PDF

Firefox

Behavioral Health Quick Forms

localhost:57775/csp/healthshare/hsaccess/Custom.ILHIE.BHIP.UILBHQuickForm.cls#

WRC TRC Prolog devlog 3 adhoc SecureLink Zen CCR HS TWiki ILHIE Red Hat Enterprise Lin... Most Visited Getting Started FTP Upload Form NYeC TRC

Bookmarks

Substance use disorder diagnosis and history

Personal History

History of Medical Conditions

Medications

Allergies

Mental Status Examination

Beginning GAF or CGAS

Recent GAF or CGAS

Diagnoses

Summarized Plan of Treatment

Discharge Planning

Informed Consent

4) Click on "Create PDF" button to view PDF

Create PDF Cancel

Appendix C – Save PDF

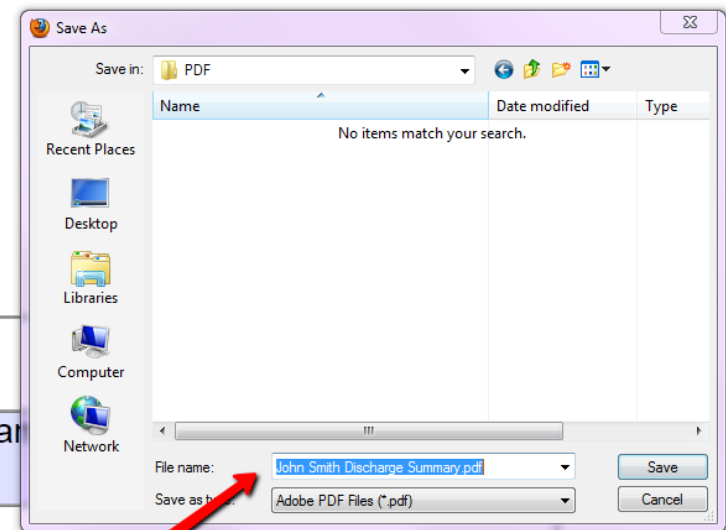
ILHIE Patient Behavioral Health Document

5) review PDF

Document Type: Discharge Summary
Patient Name: John Smith
Patient ILHIE EID:
Prepared By: ILHIE BHIP
Creation Time: 2012-09-17 10:33:26

Name of Discharging Facility:	MGH
Address of Discharging Facility:	111 Walnut Street, Cam
Medical Record Number (at Discharging Facility):	MGH103427
Primary Care Ph	Elizabeth Hospital
Attending Physician:	Dr. Sam Simpson
Date of Admission:	

6) save PDF



7) select local directory and enter PDF file name

Next Steps



- Follow the guidance offered by ONC on standardizing HISP to HISP exchange, and EMR-ILHIE Direct-EMR exchange
- Identify appropriate standards in HL7 and other languages for the behavioral health C32
- Map process of exchange in XDM from EMR to ILHIE Direct then absorb in receiving EMR
- Wrap into the development of the robust HIE



Thank you!



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